

Dr. Anurag Verma

Permanent Address:

Village: Mudiya Mansa Ram,
Aliganj Kheri, Post: Bansee, Gola
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Kheri-Uttar Pradesh

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Personal Details:

Father's Name: Shri Ram Kishor
Verma
Date of Birth: 18-March-1993
Gender: Male
Nationality: Indian
Marital Status: Single

Languages known:

Hindi, English, Punjabi

Hobbies & Interests

- Playing Cricket
- Surfing Internet & exploring about new technologies.

CAREER OBJECTIVE

To work in a challenging and learning environment, where I'll have opportunities to continuously improvise my skills and be instrumental in the growth of the organization and a job with an organization, which will help me to enhance my skills and shape my future.

SPECIALIZATION

➤ Computer Proficiency	MATLAB Simulation, Windows, LaTeX Documentation, OPAL-RT (Real Time Simulator), EnergyPlus (Building Simulation), TRNSYS (Building Simulation), Machine Learning
➤ Programming Languages	: C, C++, Python

PROFILE SUMMARY

- An enthusiastic fresher with highly motivated and leadership skills having bachelor of engineering degree in Electrical Engineering.
- Well and satisfied practical knowledge of PLC/ SCADA Programming, DCS, Drives, Industrial Automation, etc.
- Expert in implementation of each step of project.
- Eager to learn new technologies and methodologies.
- Expert in dealing fields.

QUALITIES

Team membership, leadership, coordination.

PROFESSIONAL QUALIFICATION

Examination	Year of passing	School/University/Institute	% or CGPA
Ph.D. (Design of Energy Management System for Smart Home)	2021	Thapar Institute of Engineering & Technology, Patiala, Punjab	7.0 (Course Work)
M.E. (Power Electronics & Drives)	2017	Thapar University, Patiala, Punjab	7.66
B.Tech (EE)	2015	I.M.S Engineering College, Ghaziabad (Uttar Pradesh Technical University)	76.42% (Honors)
SECONDARY	2010	St. John's Sr. Sec. School, Gola Kheri, Uttar Pradesh (CBSE board)	59.60%
HIGH SCHOOL	2008	St. John's Sr. Sec. School, Gola Kheri, Uttar Pradesh (CBSE board) (U.P. Board)	67.40%

PROFESSIONAL EXPERIENCE

1. Working as an Assistant Professor in Department of Electrical Engineering at Meerut Institute of Engineering and Technology, Meerut (15th Feb. 2021- Present).

2. Worked as Teaching Associate at TIET- Patiala (Jan. 8, 2018- Dec. 31, 2020).

Subject/Labs Taken:

- Basic Electrical Engineering
- DC Machines
- Network Analysis and Synthesis
- Power Electronics
- Power System Simulation
- Electric Drives
- Control System

3. Worked as Assistant Professor in Physics Department, Lakshya Institute, Malerkotla (01 Month)

INDUSTRIAL EXPOSURE

- Industrial Training at BHEL (Bharat Heavy Electrical Limited), HARIDWAR
- 6 months training on PLC/ SCADA in ALLEN BRADLEY, SIEMENS (ROCKWELL AUTOMATION) HMI, MMI, DRIVES, DCS etc.
- Attended many workshops on IoT, such as “FDP on Internet of Things (IoT)”; “FDP on IoT-technology, Applications & Implementation Perspectives” and training on “Internet of Things (IoT) with cloud applications” in IIT Roorkee.
- Attended many workshops on “PLC, SCADA” at IMS engineering college.
- Visited at NARORA THERMAL POWER PLANT, NARORA.
- Visited at DAIKEE electronics, NOIDA.

PROJECT COMPLETED

- 1. DESIGN OF ENERGY MANAGEMENT SYSTEM FOR SMART HOME (Ph.D. Thesis)**
- 2. GRID SYNCHRONIZATION OF HYBRID SYSTEM USING PLL (M. E. Thesis)**
- 3. MITIGATION OF VOLTAGE SAG & SWELL DURING TRANSIENTS BY USING DVR (B. Tech Project)**

ACHIEVEMENTS

- **Campus placement** at Lakshya Institute, Malerkotla in **Physics Department** as an **Asst. Professor**.
- Achieved **Bachelor Degree** in Electrical and Electronics with **Honor’s** without any backlog throughout the degree.
- **Awarded as Best Electrical & Electronics Engineering Student in Graduation.**
- **Qualified GATE-2017 in Electrical Engineering.**
- Worked as a Volunteer with EALP Program *i.e.* Earn and Learn Program.
- **Awarded as Top most 25 downloaded article by IEEE Sensors Journal in 2020.**
- **Reviewer of IEEE Sensors Journal.**
- **Reviewer of Indonesian Journal of Electrical Engineering and Computer Science.**
- **Expert Reviewer of AEIC-Academic Exchange Information Centre.**

SCI/SCIE PUBLICATIONS

Sr. No.	Title of the Publication	Journal Name, Volume No., Page No., Impact Factor	Publisher	Author(s) Name
1.	Sensing, Controlling, and IoT Infrastructure in Smart Building: A Review	<i>IEEE Sensors Journal</i> , Vol. 19(2), pp. 9036 – 9046 (IF: 3.301)	IEEE	Anurag Verma; Surya Prakash; Anuj Kumar
2.	ANN-based energy consumption prediction model up to 2050 for a residential building: Towards sustainable decision making	<i>Environmental Progress and Sustainable Energy</i> (IF: 2.431)	Wiley	Anurag Verma; Surya Prakash; Anuj Kumar
3.	A comparative analysis of data-driven based optimization models for energy-efficient buildings	<i>IETE Journal of Research</i> (IF: 2.333)	Taylor and Francis	Anurag Verma; Surya Prakash; Anuj Kumar
4.	AI-based building management and information system with multi-agent topology for an energy-efficient building: Towards occupants comfort	<i>IETE Journal of Research</i> (IF: 2.333)	Taylor and Francis	Anurag Verma; Surya Prakash; Anuj Kumar
5.	A novel design approach for indoor environmental quality based on a multiagent system for intelligent Buildings: Towards occupant's comfort	<i>Energy and Buildings</i> (IF: 5.879) (Under Review)	Elsevier	Anurag Verma; Surya Prakash; Anuj Kumar
6.	Artificial Intelligence and Multi-Sensor Fusion Based Universal Fire Detection System for Smart Buildings Using IoT Techniques	<i>IETE Journal of Research</i> (IF: 2.333) (Under Review)	Taylor and Francis	Anshul Gaur; Abhishek Singh; Anurag Verma; Anuj Kumar

PATENT'S

1. National Patent, “**Smart Mask,**” (**Application No.: 202111012112, Filing Date: 22/03/2021, Published Date: 09/04/2021**)
Inventors: Kumar, Anuj (UP, India), Singh, Abhishek (UP, India), Gaur, Anshul (UP, India), **Verma, Anurag (UP, India)**, Kumar Saini, Pramendra (UK, India), Kumar, Ajay (UK, India), Kumar Rajput, Gagan (UP, India), Kumar Garg, Ayush (UK, India)
2. National Patent, “**Artificial Lighting System Integrated with Daylighting**” (**Application No.: 202111015566, Filing Date: 01/04/2021, Published Date: 09/04/2021**)
Inventors: Singh, Abhishek (UP, India), Kumar, Anuj (UP, India), Gaur, Anshul (UP, India), **Verma, Anurag (UP, India)**.

FDP'S/WEBINAR/SEMINAR/WORKSHOP

1. Faculty Development Program on IoT (**13th – 17th Jan 2018**)
2. Faculty Development Program on IoT- Technology Applications, and Implementation perspectives (**04th – 08th Apr 2018**)
3. Faculty Development Program on IoT – What and How? (**24th – 28th Dec 2018**)
4. Successfully completed “Web of Science Basic Series” (**03rd Sep 2019**)
5. National webinar on “I-STEM: A Gateway for R&D Community and Other GoI Initiatives Towards Aatm Nirbhar Bharat” (**17th Sep 2020**)
6. **AICTE- ATAL FDP** on “Internet of Things” (**21st Sep - 25th Sep 2020**)

7. Webinar on “MATLAB by Mathworks” for faculty under CAPSL (28th Sep 2020)
8. Webinar on “Recent Developments in Solar Based Renewable Energy System” (20th Oct 2020)
9. Webinar on “Use of Optical Instruments for Energy Auditing” (18th Dec 2020)
10. TEQIP-III workshop on “Fuzzy Logic Systems in Engineering Applications” (15th -19th Mar 2021)
11. One-week online workshop on “Green Energy Development: Supporting Technologies and Environmental Aspects” (19th-23rd Apr 2021)
12. AICTE-ATAL FDP on “Design, Modeling and Simulation of Sustainable Building Energy Systems” (07th June- 11th June 2021)
13. Attended panel discussion on “Solar PV and its Future Challenges” organized by Department of Electrical Engineering, Jamia Millia Islamia, New Delhi. (20th June 2021)
14. AICTE-ATAL FDP on “Engineering Modeling and Simulation using CFD” (21st June- 25th June 2021)

NAME OF REFEREES

1. **Dr. Anuj Kumar** (Ramanujan Fellow & Assistant Professor)
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(ANURAG VERMA)